



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
2000 NAVY PENTAGON  
WASHINGTON, D.C. 20350-2000

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MEMORANDUM FOR DISTRIBUTION

Subj: SPACE, INFORMATION WARFARE, COMMAND AND CONTROL (SIWCC)  
COMPETENCIES

Encl: (1) Proposed List of SIWCC Competencies

1. In a remarkably short period of time, Navy has moved to a heavy reliance on networks and information systems. We are evolving from a platform-centric to a network-centric approach to warfare. Today, the advent of network-centric warfare has progressed from idea to installation and from plan to program. Between the fielding of IT-21 and NMCI, all naval forces afloat and ashore will be linked into a single enterprise intranet that will drive the way we fight, the way we do business, and the ability to support increases in quality of life for deployed Sailors. This near-revolution in combat and combat support is reflected in Kosovo lessons learned and, importantly, in the post-deployment reports of every Battle Group that has deployed with even a partial IT-21 capability. The growing community that is Space, Information Warfare, Command and Control (SIWCC) will play an increasing role for the Navy in the twenty-first century.

2. As we continue to move toward a fully network-centric force, it is important that we foster development and maturation of the skills needed to conduct network-centric warfare among our Unrestricted and Restricted Line officer communities, both afloat and ashore. The new maritime strategy describes knowledge superiority as being equal in importance with forward presence. Together, they serve as the means by which the Navy will operate. Work to strengthen URL/RL information age skills is proceeding on a number of fronts. The Navy's increasing focus on network-centric warfare and knowledge superiority requires that many officers possess an understanding of specialized technical skills in order to effectively conduct maritime operations in the information age.

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3. As part of our ongoing effort towards SIWCC community management and development, we will be conducting a designator independent, Navy-wide review of all billets to identify those supporting SIWCC competencies. Ensuring that we have appropriately identified those competencies is critical to the success of this review.

4. Enclosure (1) provides a list of proposed SIWCC competencies and is forwarded for your review and comment, including any recommended additions or deletions. It is requested that you respond by 31 August 00. My point of contact is Linda Shultz, N6422CTLS, (703) 601-1484; DSN, 329-1484; email, shultz.linda@hq.navy.mil.

*Rw Mayo*

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## SIWCC COMPETENCIES

Information Systems Technology  
Computer Science and System Design  
Electronic Engineering  
Systems Engineering Integration  
Chief Information Officer  
Knowledge Management  
Information Management  
Information Decision Management  
Information Distribution  
Workgroup Computing/Local Area Networking  
Operational/Regional/Global Area Networking  
Enterprise Computing  
Space Systems Operations  
Space Systems Engineering  
SIWCC Acquisition Management  
SIWCC Investment Management  
SIWCC Training and Education  
IM/IT Infrastructure Management  
IM/IT Infrastructure Design and Development  
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